Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

ort No	KMTH/Cubes/3153/2022	Date	23.05.2022

TEST RESULTS ON CONCRETE CUBES

me of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
me of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
me of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
ork Order No	BBMP/EE/BPT/WO/03/2021-22
b Code No	005-20-000075
ate of Sample Received	21.05.2022
ource of Sample	Casted And Collected From site
imensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
rade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	PCC Culvert Concrete	14-05-2022	21.05.2022	7 Days	22500.00	8236	296.4	13.17
2		14-05-2022	21.05.2022		22500.00	8248	297.2	13.21
3		14-05-2022	21.05.2022		22500.00	8252	299.8	13.32

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3154/2022	Date	12.06.2022

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Date of Sample Received	11.06.2022
Source of Sample	Casted And Collected From site
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC Culvert Concrete	14-05-2022	11.06.2022	28 Days	22500.00	8198	352.6	15.67
2		14-05-2022	11.06.2022		22500.00	8064	362.4	16.11
3		14-05-2022	11.06.2022		22500.00	8174	358.4	15.93

/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

te; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

Karnataka Material Test House Pvt Ltd.,

Approved by
Narayanswamy.B

pared & Checked by
garaj K S

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3155/2022	Date	26.05.2022

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Date of Sample Received	24.05.2022
Source of Sample	Casted And Collected From site
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC Culvert Concrete	18.05.2022	25.05.2022	7 Days	22500.00	8262	295.4	13.13
2		18.05.2022	25.05.2022		22500.00	8252	292.4	13.00
3		18.05.2022	25.05.2022		22500.00	8245	293.4	13.04

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Approved by
Narayanswamy.B

Prepared & Checked by
Nagaraj K S

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3156/2022	Date	16.06.2022

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Date of Sample Received	14.06.2022
Source of Sample	Casted And Collected From site
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC Culvert Concrete	18.05.2022	16.06.2022	28Days	22500.00	8128	374.6	16.65
2		18.05.2022	16.06.2022		22500.00	8126	386.8	17.19
3		18.05.2022	16.06.2022		22500.00	8142	372.4	16.55

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3157/2022	Date	07.06.2022

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Date of Sample Received	05.06.2022
Source of Sample	Casted And Collected From site
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Culvert Concrete	30.05.2022	06.06.2022	7 Days	22500.00	8326	432.4	19.22
2		30.05.2022	06.06.2022		22500.00	8342	429.8	19.10
3		30.05.2022	06.06.2022		22500.00	8362	430.2	19.12

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3158/2022	Date	30.06.2022

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Date of Sample Received	28.06.2022
Source of Sample	Casted And Collected From site
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Culvert Concrete	30.05.2022	29.06.2022	28 Days	22500.00	8168	625.4	27.80
2		30.05.2022	29.06.2022		22500.00	8246	585.4	26.02
3		30.05.2022	29.06.2022		22500.00	8208	602.4	26.77

* As furnished by the client

1N/Sq.mm=10kg/Sq.cm(Approx)

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Approved by
Narayanswamy B

Prepared & Checked by
Nagaraj K S

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3157/2022	Date	10.06.2022

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Date of Sample Received	08.06.2022
Source of Sample	Casted And Collected From site
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Culvert Concrete	02-06-2022	09.06.2022	7 Days	22500.00	8262	428.6	19.05
2		02-06-2022	09.06.2022		22500.00	8246	430.2	19.12
3		02-06-2022	09.06.2022		22500.00	8240	827.6	36.78

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

port No	KMTH/Cubes/3158/2022	Date	29.06.2022

TEST RESULTS ON CONCRETE CUBES

ime of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
ame of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
hird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ame of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
/ork Order No	BBMP/EE/BPT/WO/03/2021-22
ob Code No	005-20-000075
ate of Sample Received	27.06.2022
ource of Sample	Casted And Collected From site
imensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
rade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Culvert Concrete	02-06-2022	28.06.2022	28 Days	22500.00	8068	615.2	27.34
2		02-06-2022	28.06.2022		22500.00	8108	605.4	26.91
3		02-06-2022	28.06.2022		22500.00	8098	600.2	26.68

LN/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCslabs/3179/2022	Date	12.06.2022

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Date of Sample Received	08.06.2022
Source of Sample	Collected From the site
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-250mm,Width460mm

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, Cm3	Density, Kg/m3
250mm Slab														
1	S-01	94.86	189.60	2.00	7064	142.6	20.19	1.00	20.18	25.23	25.5	1.8460	1339.3	1.38
2	S-02	94.78	188.60	1.99	7052	143.8	20.39	1.00	20.37	25.46		1.5680	1330.0	1.18
3	S-03	94.68	190.00	2.01	7037	145.8	20.72	1.00	20.73	25.92		1.4680	1337.0	1.10

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

Karnataka Material Test House Pvt. Ltd. * Bangalore *

.....End of Report.....

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCslabs/3180/2022	Date	15.06.2022

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony,
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Date of Sample Received	10.06.2022
Source of Sample	Collected From the site
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-250mm,Width460mm

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
250mm Slab														
1	S-01	94.50	186.80	1.98	7010	146.6	20.91	1.00	20.86	26.07	26.7	2.2620	1309.5	1.73
2	S-02	94.62	189.80	2.01	7028	150.4	21.40	1.00	21.41	26.77		2.2400	1333.9	1.68
3	S-03	94.58	188.40	1.99	7022	152.8	21.76	1.00	21.74	27.18		2.3240	1323.0	1.76

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Approved by
Narayanswamy B

Prepared & Checked by
Nagaraj K S

.....End of Report.....

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/3159/2022	Date	05.06.2022

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Collected From the site
Date of Testing	02.06.2022
Technical Referance	MORTH Specifications

WMM MATERIAL ***10000***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	310.2	310.2	3.10	96.90	95-100
22.4	2541.6	2851.8	28.52	71.48	60-80
11.2	2539.4	5391.2	53.91	46.09	40-60
4.75	1342	6733.2	67.33	32.67	25-40
2.36	1234	7967.2	79.67	20.33	15-30
0.6	759.8	8727	87.27	12.73	8--22
0.75	962.4	9689.4	96.89	3.11	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.76	Should not be more than 2%
2	Flakiness & Elongation Index	26.9%	Shall not be more than 40%
3	Aggregate Crushing Value	20.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/3160/2022	Date	08.06.2022

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Collected From the site
Date of Testing	06.06.2022
Technical Referance	MORTH Specifications

WMM MATERIAL ***10000***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	298.6	298.6	2.99	97.01	95-100
22.4	2532.6	2831.2	28.31	71.69	60-80
11.2	2540.7	5371.9	53.72	46.28	40-60
4.75	1320.8	6692.7	66.93	33.07	25-40
2.36	1236.4	7929.1	79.29	20.71	15-30
0.6	762.2	8691.3	86.91	13.09	8--22
0.75	899.6	9590.9	95.91	4.09	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.76	Should not be more than 2%
2	Flakiness & Elongation Index	26.9%	Shall not be more than 40%
3	Aggregate Crushing Value	20.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Approved by
Narayanswamy.B

Prepared & Checked by
Nagaraj K S

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/3161/2022	Date	14-06-2021

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony,
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Collected From the site
Date of Testing	10.06.2022
Technical Referance	MORTH Specifications

WMM MATERIAL ***10000***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	300.2	300.2	3.00	97.00	95-100
22.4	2536.8	2837	28.37	71.63	60-80
11.2	2532.6	5369.6	53.70	46.30	40-60
4.75	1320.4	6690	66.90	33.10	25-40
2.36	1228.9	7918.9	79.19	20.81	15-30
0.6	746.8	8665.7	86.66	13.34	8--22
0.75	936	9601.7	96.02	3.98	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.76	Should not be more than 2%
2	Flakiness & Elongation Index	26.9%	Shall not be more than 40%
3	Aggregate Crushing Value	20.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/3162/2022	Date	30.06.2022

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony,
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	28.06.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	33.8	33.8	3.38	96.62	90-100
19	198.6	232.4	23.24	76.76	71-95
13.2	165.8	398.2	39.82	60.18	56-80
4.75	123.4	521.6	52.16	47.84	38-54
2.36	119.8	641.4	64.14	35.86	28-42
0.3	168.4	809.8	80.98	19.02	7--21
0.075	133.4	943.2	94.32	5.68	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	482.2	27.80	5.45
2	510.0	480.2	29.80	5.84
3	512.0	479.8	32.20	6.29
4	510.0	480.6	29.40	5.76

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/3163/2022	Date	31.06.2022

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony,
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	30.06.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	36.8	36.8	3.68	96.32	90-100
19	210.4	247.2	24.72	75.28	71-95
13.2	172.8	420	42.00	58.00	56-80
4.75	126.4	546.4	54.64	45.36	38-54
2.36	118.4	664.8	66.48	33.52	28-42
0.3	173.8	838.6	83.86	16.14	7--21
0.075	126.4	965	96.50	3.50	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.0	470.2	29.80	5.96
2	506.0	473.2	32.80	6.48
3	508.0	478.2	29.80	5.87
4	504.0	473.4	30.60	6.07

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/3164/2022	Date	05.07.2022

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony,
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	02.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***		***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	60.4	60.4	6.04	93.96	90-100
19	152.4	212.8	21.28	78.72	71-95
13.2	132.4	345.2	34.52	65.48	56-80
4.75	176.4	521.6	52.16	47.84	38-54
2.36	152.4	674	67.40	32.60	28-42
0.3	179.8	853.8	85.38	14.62	7--21
0.075	92.4	946.2	94.62	5.38	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	506.0	471.6	34.40	6.80
2	504.0	470.1	33.90	6.73
3	500.2	469.8	30.40	6.08
4	500.8	471.0	29.80	5.95

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4094Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/3165/2022	Date	07.07.2022

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony,
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	05.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
IS Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	58.4	58.4	5.84	94.16	90-100
19	162.4	220.8	22.08	77.92	71-95
13.2	156.4	377.2	37.72	62.28	56-80
4.75	182.4	559.6	55.96	44.04	38-54
2.36	150.6	710.2	71.02	28.98	28-42
0.3	186.4	896.6	89.66	10.34	7--21
0.075	62.4	959	95.90	4.10	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.0	471.6	28.40	5.68
2	510.0	475.1	34.90	6.84
3	508.0	473.8	34.20	6.73
4	504.0	471.0	33.00	6.55

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/3166/2022	Date	10.07.2022

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony,
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	07.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	68.4	68.4	6.84	93.16	90-100
19	164.8	233.2	23.32	76.68	71-95
13.2	126.8	360	36.00	64.00	56-80
4.75	182.4	542.4	54.24	45.76	38-54
2.36	146.6	689	68.90	31.10	28-42
0.3	166.8	855.8	85.58	14.42	7--21
0.075	86.4	942.2	94.22	5.78	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	476.6	33.40	6.55
2	508.0	476.4	31.60	6.22
3	506.2	476.8	29.40	5.81
4	508.4	474.6	33.80	6.65

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Approved by
Narayanswamy.B

Prepared & Checked by
Nagaraj K S

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/3167/2022	Date	12.07.2022

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony,
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	09.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	58.4	58.4	5.84	94.16	90-100
19	200.6	259	25.90	74.10	71-95
13.2	126.2	385.2	38.52	61.48	56-80
4.75	111.8	497	49.70	50.30	38-54
2.36	186.4	683.4	68.34	31.66	28-42
0.3	190.4	873.8	87.38	12.62	7--21
0.075	75.4	949.2	94.92	5.08	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.0	471.6	28.40	5.68
2	510.0	475.1	34.90	6.84
3	508.0	473.8	34.20	6.73
4	504.0	471.0	33.00	6.55

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/3167/2022	Date	15.07.2022

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony,
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	11.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	65.2	65.2	6.52	93.48	90-100
19	170.2	235.4	23.54	76.46	71-95
13.2	132.6	368	36.80	63.20	56-80
4.75	188.4	556.4	55.64	44.36	38-54
2.36	150.2	706.6	70.66	29.34	28-42
0.3	182.4	889	88.90	11.10	7--21
0.075	80.4	969.4	96.94	3.06	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	479.6	30.40	5.96
2	508.0	476.4	31.60	6.22
3	506.2	476.8	29.40	5.81
4	508.4	474.6	33.80	6.65

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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Nagaraj K S

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/3168/2022	Date	17.07.2022

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony,
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	13.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***		***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	50.2	50.2	5.02	94.98	90-100
19	182.6	232.8	23.28	76.72	71-95
13.2	133.2	366	36.60	63.40	56-80
4.75	116.4	482.4	48.24	51.76	38-54
2.36	192.4	674.8	67.48	32.52	28-42
0.3	182.4	857.2	85.72	14.28	7–21
0.075	80.2	937.4	93.74	6.26	2–8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	502.0	469.6	32.40	6.45
2	508.0	479.8	28.20	5.55
3	506.0	471.4	34.60	6.84
4	506.0	476.8	29.20	5.77

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3169/2022	Date	17.07.2022

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	15.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	42.2	42.2	4.22	95.78	90-100
9.5	218.8	261	26.10	73.90	70-88
4.75	162.4	423.4	42.34	57.66	53-71
2.36	98.6	522	52.20	47.80	42-58
1.18	78.6	600.6	60.06	39.94	34-48
0.6	72.6	673.2	67.32	32.68	26-38
0.3	80.4	753.6	75.36	24.64	18-28
0.15	92.4	846	84.60	15.40	12--20
0.075	80.6	926.6	92.66	7.34	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.0	470.2	29.80	5.96
2	500.6	469.2	31.40	6.27
3	502.4	470.6	31.80	6.33
4	500.8	471.2	29.60	5.91

* As furnished by the client

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3171/2022	Date	22.07.2022

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	20.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***		***GRADE-II***
IS Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	29.8	29.8	2.98	97.02	90-100
9.5	230.6	260.4	26.04	73.96	70-88
4.75	150.2	410.6	41.06	58.94	53-71
2.36	100.4	511	51.10	48.90	42-58
1.18	84.2	595.2	59.52	40.48	34-48
0.6	92.4	687.6	68.76	31.24	26-38
0.3	60.2	747.8	74.78	25.22	18-28
0.15	70.6	818.4	81.84	18.16	12--20
0.075	96.2	914.6	91.46	8.54	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.2	468.2	32.00	6.40
2	500.0	467.8	32.20	6.44
3	502.2	469.8	32.40	6.45
4	500.4	468.2	32.20	6.43

* *As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3170/2022	Date	20.07.2022

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	18.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***	***GRADE-II***
IS Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	23.8	23.8	2.38	97.62	90-100
9.5	216.8	240.6	24.06	75.94	70-88
4.75	147.8	388.4	38.84	61.16	53-71
2.36	103.4	491.8	49.18	50.82	42-58
1.18	88.6	580.4	58.04	41.96	34-48
0.6	85.4	665.8	66.58	33.42	26-38
0.3	83.2	749	74.90	25.10	18-28
0.15	72.6	821.6	82.16	17.84	12--20
0.075	90.6	912.2	91.22	8.78	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	502.0	470.6	31.40	6.25
2	504.0	474.4	29.60	5.87
3	500.0	470.8	29.20	5.84
4	506.8	473.2	33.60	6.63

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3172/2022	Date	24.07.2022

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	22.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
IS Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	31.2	31.2	3.12	96.88	90-100
9.5	210.4	241.6	24.16	75.84	70-88
4.75	139.6	381.2	38.12	61.88	53-71
2.36	101.2	482.4	48.24	51.76	42-58
1.18	100.2	582.6	58.26	41.74	34-48
0.6	90.4	673	67.30	32.70	26-38
0.3	91.2	764.2	76.42	23.58	18-28
0.15	80.4	844.6	84.46	15.54	12--20
0.075	100.4	945	94.50	5.50	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.0	471.6	28.40	5.68
2	500.0	470.4	29.60	5.92
3	506.0	470.8	35.20	6.96
4	502.4	471.2	31.20	6.21

* As furnished by the client

For Karnataka Material Test House Pvt ltd.,

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Nagaraj K S

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3173/022		
	TEST REPORT ON BITUMIOUS CONCRETE	Date	25.07.2022
Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92		
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028		
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01		
Work Order No	BBMP/EE/BPT/WO/03/2021-22		
Job Code No	005-20-000075		
Source of Sample	Tested at Site		
Date of Testing	23.07.2022		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
IS Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	35.4	35.4	3.54	96.46	90-100
9.5	215.4	250.8	25.08	74.92	70-88
4.75	145.2	396	39.60	60.40	53-71
2.36	105.6	501.6	50.16	49.84	42-58
1.18	95.4	597	59.70	40.30	34-48
0.6	92.4	689.4	68.94	31.06	26-38
0.3	90.4	779.8	77.98	22.02	18-28
0.15	80.4	860.2	86.02	13.98	12--20
0.075	106.4	966.6	96.66	3.34	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	504.0	472.6	31.40	6.23
2	502.0	470.4	31.60	6.29
3	502.0	471.8	30.20	6.02
4	500.0	468.2	31.80	6.36

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3174/2022	Date	26.07.2022

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	25.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
IS Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	42.6	42.6	4.26	95.74	90-100
9.5	186.8	229.4	22.94	77.06	70-88
4.75	162.4	391.8	39.18	60.82	53-71
2.36	98.4	490.2	49.02	50.98	42-58
1.18	86.8	577	57.70	42.30	34-48
0.6	79.4	656.4	65.64	34.36	26-38
0.3	80.4	736.8	73.68	26.32	18-28
0.15	92.4	829.2	82.92	17.08	12--20
0.075	98.4	927.6	92.76	7.24	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	502.4	470.6	31.80	6.33
2	502.6	469.4	33.20	6.61
3	500.4	468.6	31.80	6.35
4	502.4	463.8	38.60	7.68

* *As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3176/2022	Date	29.07.2022

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	26.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*	*GRADE-II*
IS Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	36.4	36.4	3.64	96.36	90-100
9.5	220.4	256.8	25.68	74.32	70-88
4.75	152.4	409.2	40.92	59.08	53-71
2.36	108.2	517.4	51.74	48.26	42-58
1.18	89.4	606.8	60.68	39.32	34-48
0.6	92.4	699.2	69.92	30.08	26-38
0.3	82.4	781.6	78.16	21.84	18-28
0.15	80.2	861.8	86.18	13.82	12--20
0.075	86.8	948.6	94.86	5.14	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.6	471.6	29.00	5.79
2	502.4	469.0	33.40	6.65
3	500.8	472.8	28.00	5.59
4	502.2	470.2	32.00	6.37

* As furnish .

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3177/2022	Date	30.07.2022

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Byatarayanapura Division, Bruhat Bengaluru Mahanagara Palike No.2152/20,Defence Colony, Shakara Nagar, Bangalore-92
Name of Agency & Address	Sri. S. Sathish No:218,2nd Cross, Nagasandra, Basavanagudi, Bangalore-560028
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads And Drains at Palannahalli Chokkanahalli Vinayakanagara Dwarakanagara and Surrounding area in ward No-05 Byatarayanapura Sub Division Package-01
Work Order No	BBMP/EE/BPT/WO/03/2021-22
Job Code No	005-20-000075
Source of Sample	Tested at Site
Date of Testing	28.07.2022
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	52.4	52.4	5.24	94.76	90-100
9.5	225.4	277.8	27.78	72.22	70-88
4.75	152.6	430.4	43.04	56.96	53-71
2.36	85.4	515.8	51.58	48.42	42-58
1.18	85.4	601.2	60.12	39.88	34-48
0.6	93.6	694.8	69.48	30.52	26-38
0.3	82.8	777.6	77.76	22.24	18-28
0.15	80.6	858.2	85.82	14.18	12--20
0.075	78.6	936.8	93.68	6.32	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.0	468.9	31.10	6.22
2	502.6	470.2	32.40	6.45
3	500.0	469.2	30.80	6.16
4	504.2	474.2	30.00	5.95

* As furnished by the client

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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